

First Semester Exam

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In the bustling city of New York, a young man named Ethan Carter had always been fascinated by technology. From a young age, he spent hours tinkering with computers, learning how they worked, and exploring the vast world of the internet. As he grew older, Ethan became increasingly aware of the vulnerabilities in digital systems and the rising threat of cyberattacks. This realization sparked a passion in him to protect individuals and businesses from the dangers lurking online.

After graduating with a degree in Computer Science and Cybersecurity, Ethan decided to turn his passion into a profession. At just 24 years old, he founded his own company, *ShieldNet Solutions*, specializing in cybersecurity and network protection. Starting a business was no easy feat, but Ethan was determined to make a difference. He began by offering basic services such as vulnerability assessments, firewall installations, and employee training on phishing scams. His goal was to help small businesses, which often lacked the resources to defend themselves against cyber threats.

The early days were challenging. Ethan worked tirelessly, often pulling all-nighters to meet client deadlines and refine his services. He faced skepticism from potential clients who doubted the capabilities of a young entrepreneur. However, Ethan's dedication and expertise soon began to speak for itself. His first major breakthrough came when he successfully thwarted a ransomware attack on a local accounting firm, saving them from losing critical data and thousands of dollars.

Word of Ethan's success spread quickly, and *ShieldNet Solutions* began to gain traction. He expanded his team, hiring other young tech enthusiasts who shared his vision. Together, they developed innovative solutions, such as AI-driven threat detection systems and customized encryption protocols. Ethan's company also started offering 24/7 monitoring services, ensuring that clients' networks were protected around the clock.

As the business grew, Ethan remained committed to his mission of making the digital world safer. He frequently hosted free workshops for the community, educating people about the importance of cybersecurity. His efforts earned him recognition in the tech

industry, and he was invited to speak at conferences and collaborate with larger cybersecurity firms.

Despite his success, Ethan never lost sight of his humble beginnings. He often mentored aspiring entrepreneurs, encouraging them to pursue their dreams and use their skills to solve real-world problems. For Ethan, *ShieldNet Solutions* was more than just a business—it was a way to empower others and create a safer digital future.

Today, *ShieldNet Solutions* is a thriving company with clients across the country. Ethan's journey serves as an inspiration to young innovators everywhere, proving that with passion, perseverance, and a commitment to making a difference, anything is possible.

Task one: Answer the following questions using your own words (5points)

1- What specific challenge did Ethan face in the early days of his business, and how did he overcome it?

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2- What innovative solutions did Ethan and his team develop to enhance their cybersecurity services?

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3- How did Ethan's company grow after its initial success?

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4- What was Ethan's broader mission beyond just running a successful business, and how did he fulfill it?

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5- What specific incident marked Ethan's first major achievement, and why was it significant for his business?

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Task 2: Decide if the following statements are True or False (2.5 points)

1. Ethan founded his company, *NetShield Solutions*, after graduating with a degree in Computer Science and Cybersecurity.....
2. Ethan's first major achievement was stopping a ransomware attack on a global accounting firm.....
3. Ethan's company developed AI-driven threat detection systems and customized encryption protocols.....
4. Ethan hosted free university workshops to educate the community about the importance of cybersecurity.....
5. Ethan's company, *ShieldNet Solutions*, worked with individuals and businesses.....

Task 3: Fill-in-the-gaps the blanks () with one of the listed words below: (04 points)

Installs / secure / redirects / adapts / efficient / up-to-date / tricks /secure

Cybersecurity and Cyberattacks: Staying Protected

In today's digital world, cybersecurity is more important than ever. Cyberattacks are becoming increasingly sophisticated, and hackers use a variety of _____, such as phishing scams, malware, and ransomware, to exploit vulnerabilities. For example, phishing scams often trick users into revealing sensitive information, while malware _____ malicious software onto devices without the user's knowledge. Ransomware, on the other hand, locks users out of their systems until a ransom is paid.

To stay protected, individuals and businesses must adopt _____ cybersecurity practices. This includes using _____ software and tools that are regularly updated to defend against the latest threats. For instance, antivirus programs should be _____ to detect and block new types of malware. Similarly, firewalls and encryption tools help _____ data and prevent unauthorized access.

One common type of cyberattack is the "man-in-the-middle" attack, where hackers intercept communication between two parties. This can happen when users connect to unsecured Wi-Fi networks or visit malicious websites that _____ them to fake pages. To avoid this, always ensure your internet connection is _____ and avoid clicking on suspicious links.

Task 4: Complete 1-10 with the best option a-c (5 points)

- 1- It was obvious there was a _____ in the market.
a) space b) break c) gap
- 2- Unless we can secure more financial _____, we won't be able to go ahead with our expansion plans.
a) approval b) backing c) aid
- 3- How much strat-up _____ do we need for equipment, rent and supplies for the first year of operation.
a) space b) break c) gap

4- Investors will want to look at your businessin detail to assess your business idea.

- a) map b) chart c) plan

5- We need investment to start the business so we are going to approach a.....capitalist.

- a) business b) project c) venture

6- Most investors want to be confident they will receive good return on
a) asset b) investment c) speculation

7- We are initially renting the temporaryand then we will think about finding somewhere permanent.

- a) fund b) outlet c) backing

8- Many entrepreneurs fail in their first year of business.
a) Can-be b) will-be c) would-be

9- Our businessis based on using pop-up stalls at public events like music festivals.

- a) Model b) return c) diagram

10- We turnedour first million this year so I feel like we've reached the next stage in our growth .

- a) up b) over c) around

Task 5: put the words in the correct order. (3.5 points)

1- me / you / offer / let / make / an
.....

2- concerns / do / any / this / you/ have / about
.....

3- Halfway / meet / will / you / I
.....

4- would / I / think / fair / that / be
.....

5- 10% / if / offer/ more / I / agree/ you / will / years / to / two
.....

6- Issue / with / discuss / you / to / an / I'd / like
.....

7- not / in / to / position / I'am / that / accept / a
.....